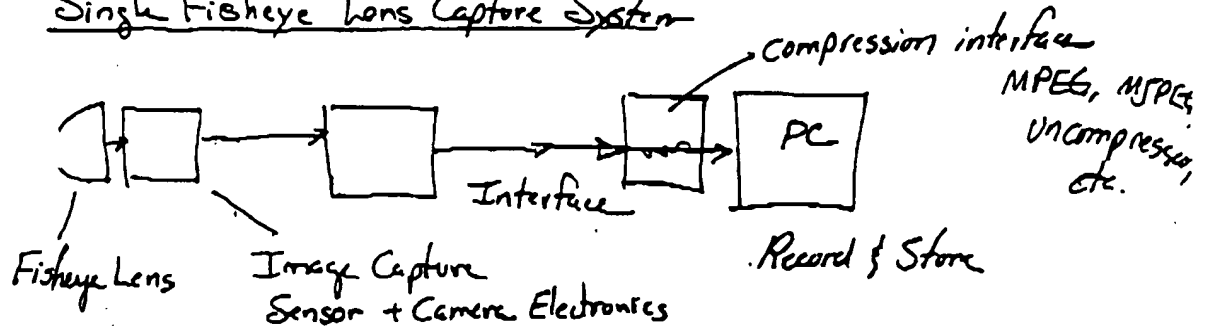


# Image Capture Methods

Figure 1

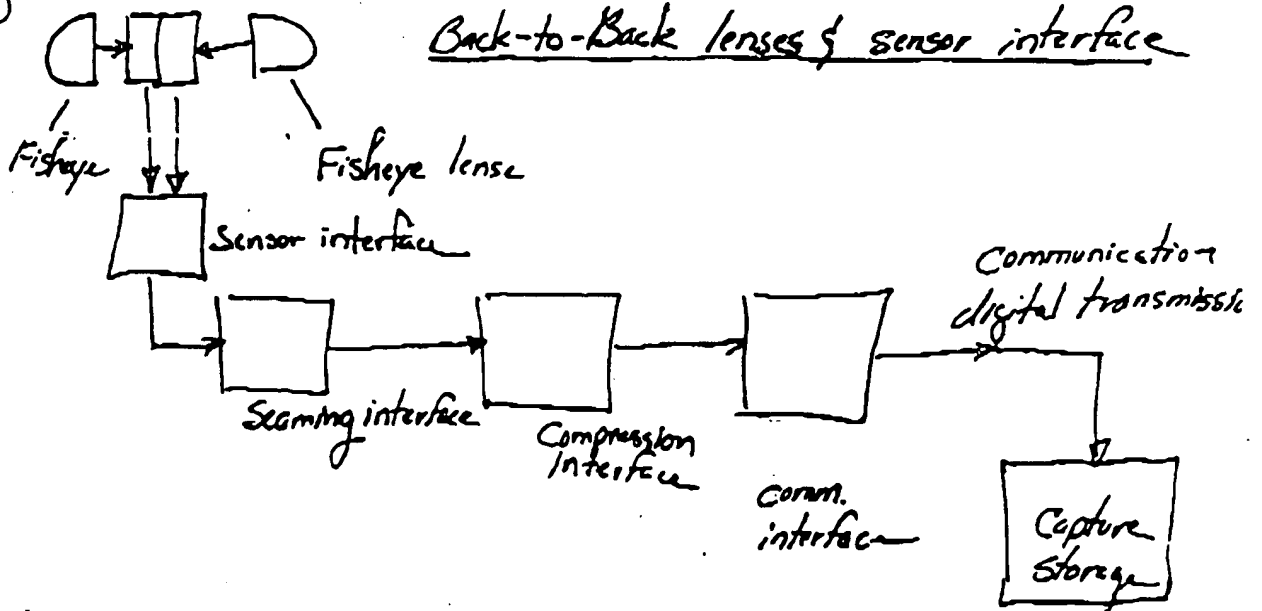
## Single Fisheye Lens Capture System



circular image  
0 to 180° field-of-view or  
< 180° field of view

Figure 2

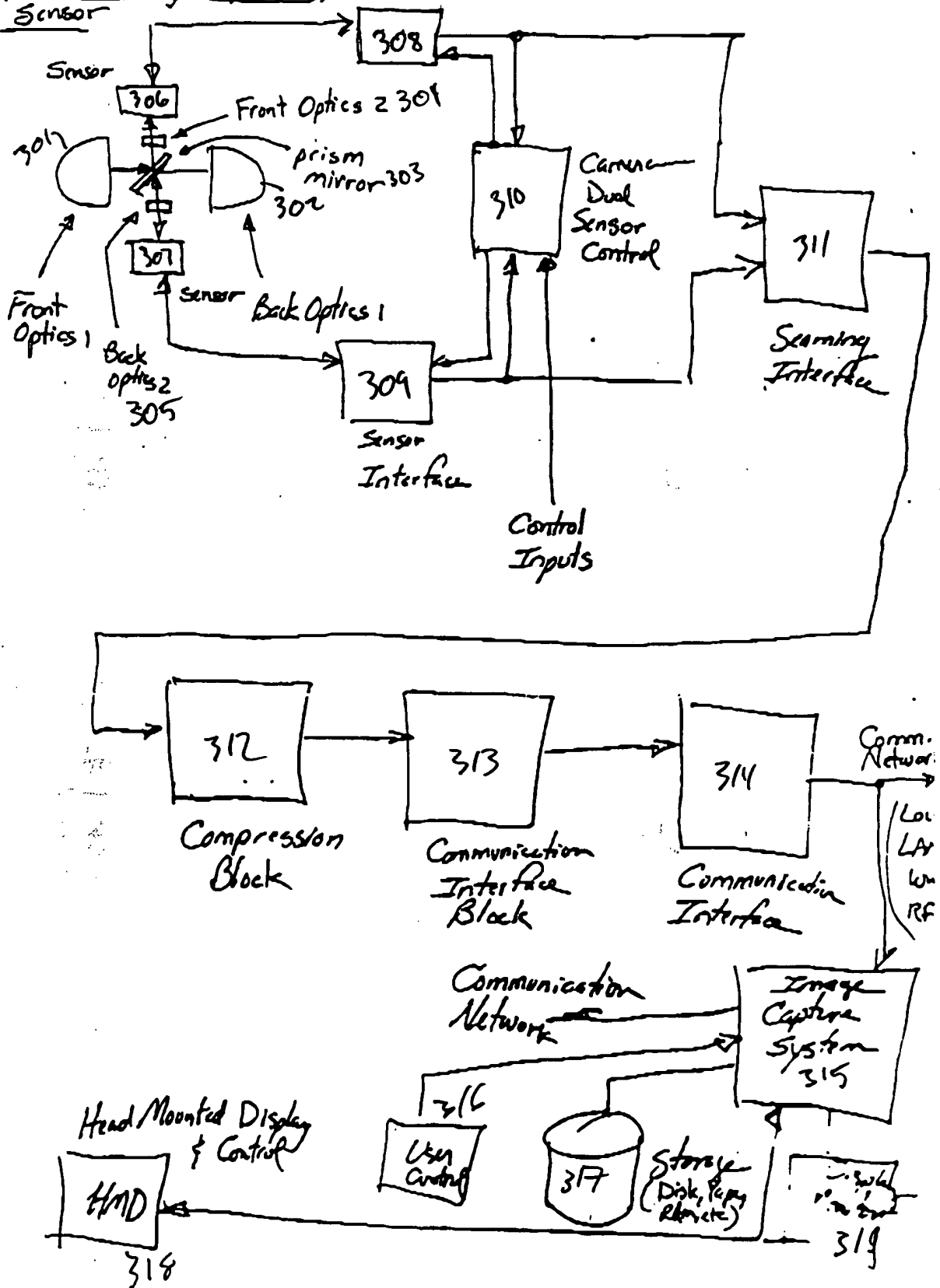
## Back-to-Back lenses & sensor interface



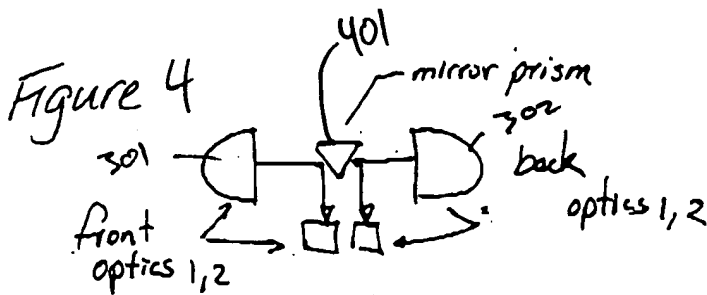
# Image Capture Methods

Back-to-back lens  
Telecentrically Opposed  
Sensor

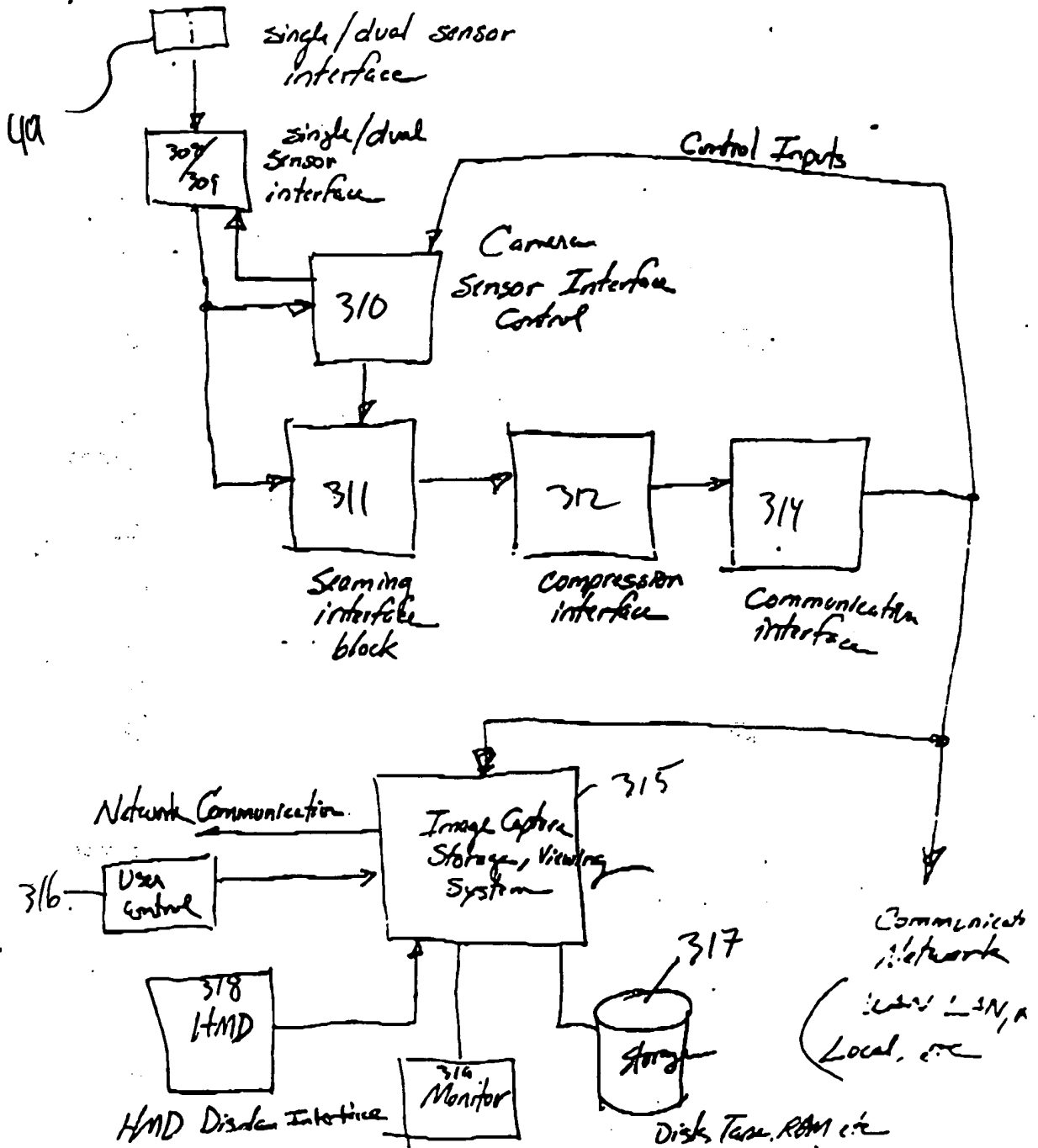
Figure 3



# Image Capture Methods



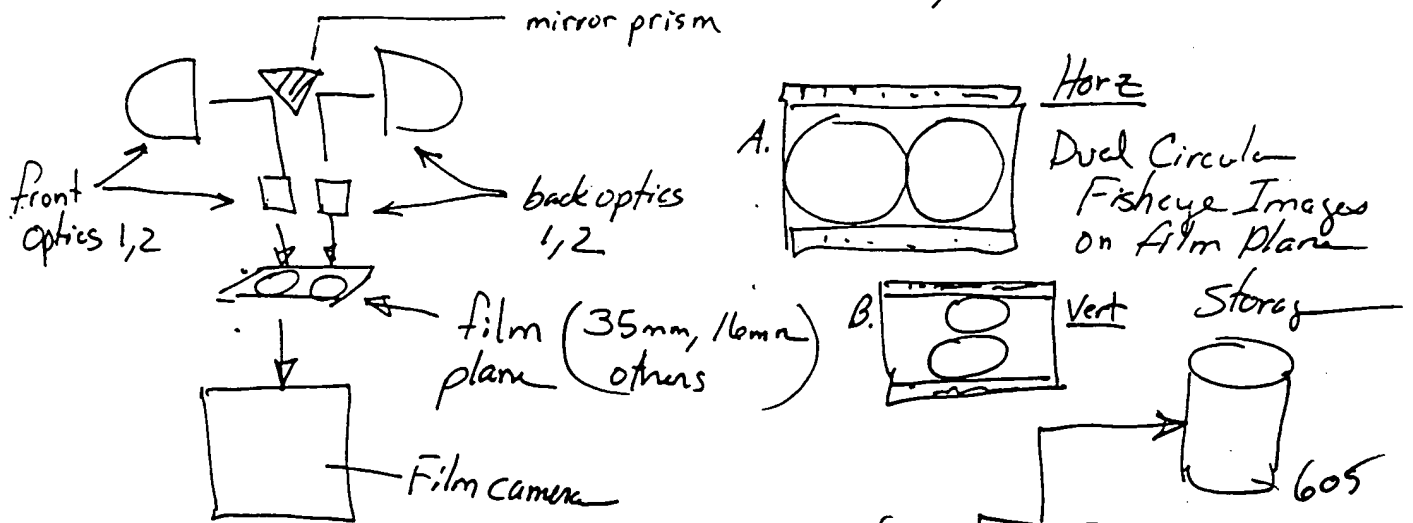
Back-to-back Lens  
Single Image Plane  
Single/Dual Sensor  
Capture



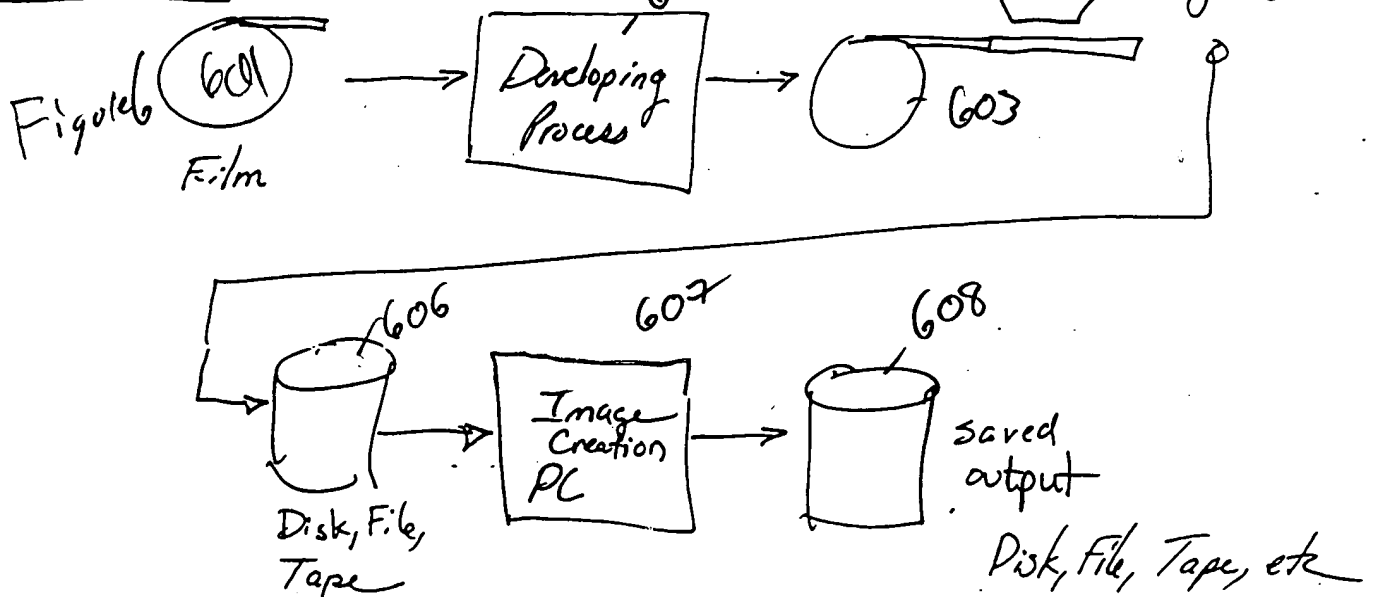
# Image Capture Methods

Figure 5

## Back-to-back Lens to Film plane Camera System



## Develop Process Flow



Software Method  
on PC to  
create file format

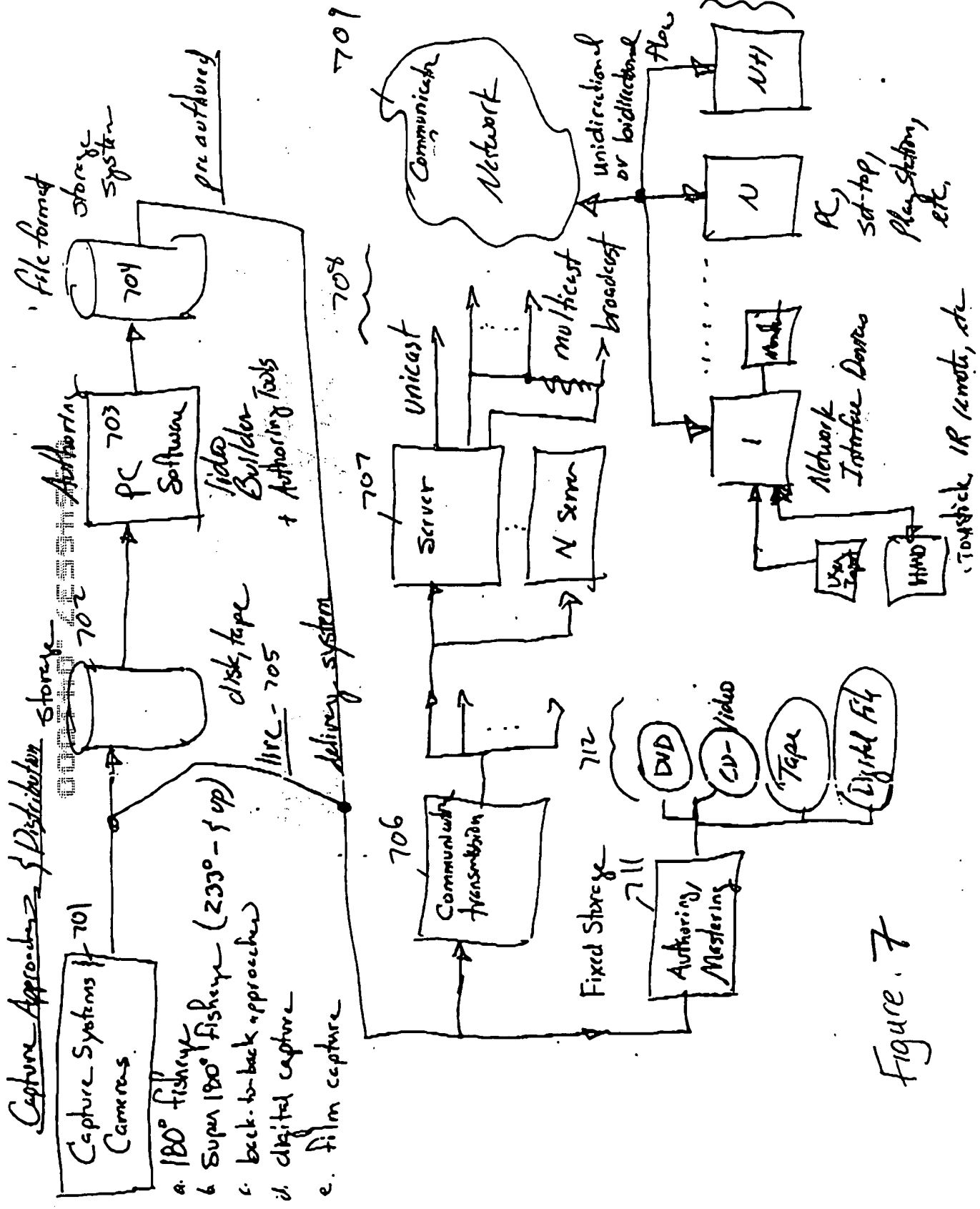


Figure 7

# Image Scanning Method for Creating Video Image Representation

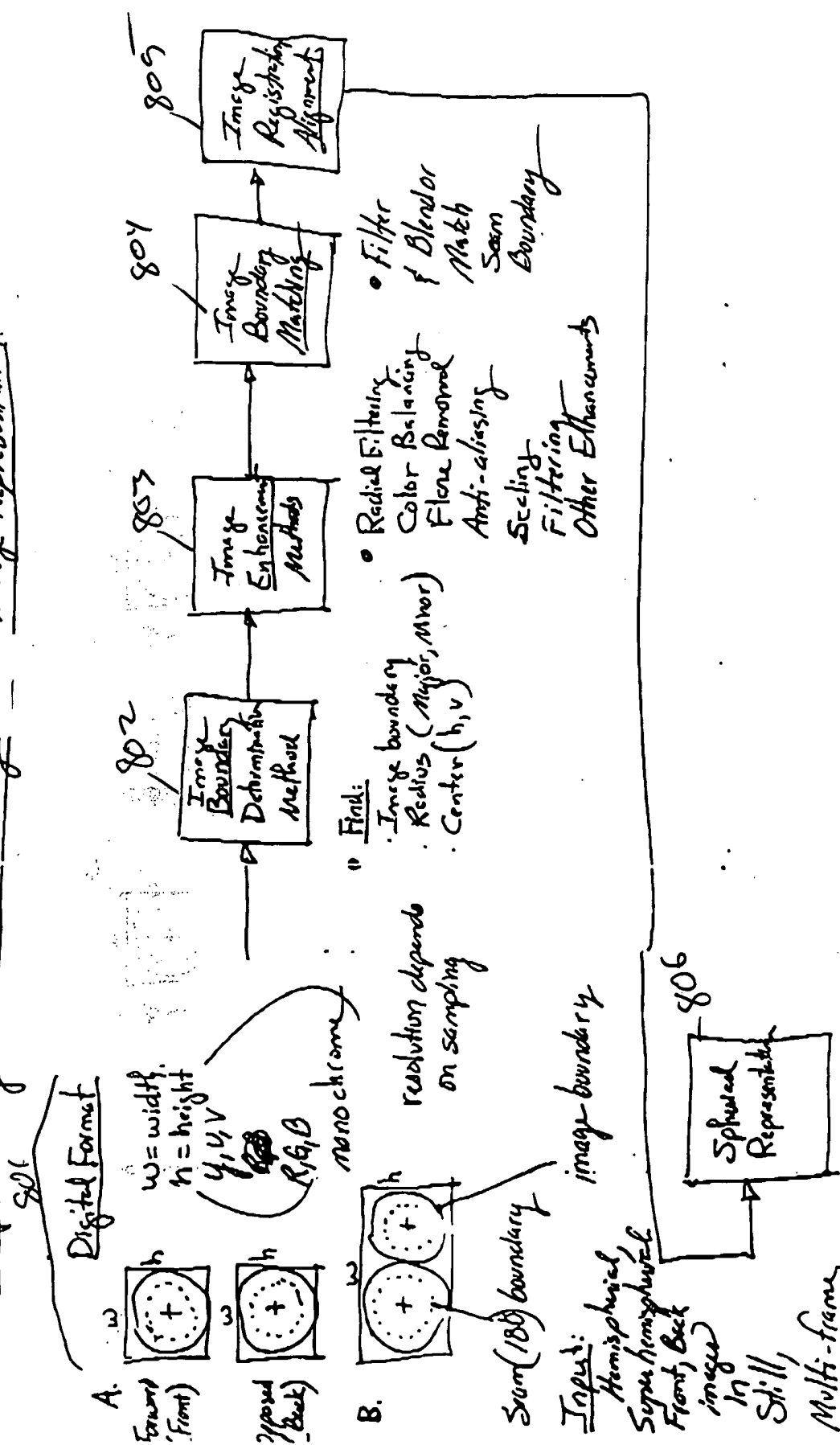


Figure 8

# Distribution System — One-to-many Distribution

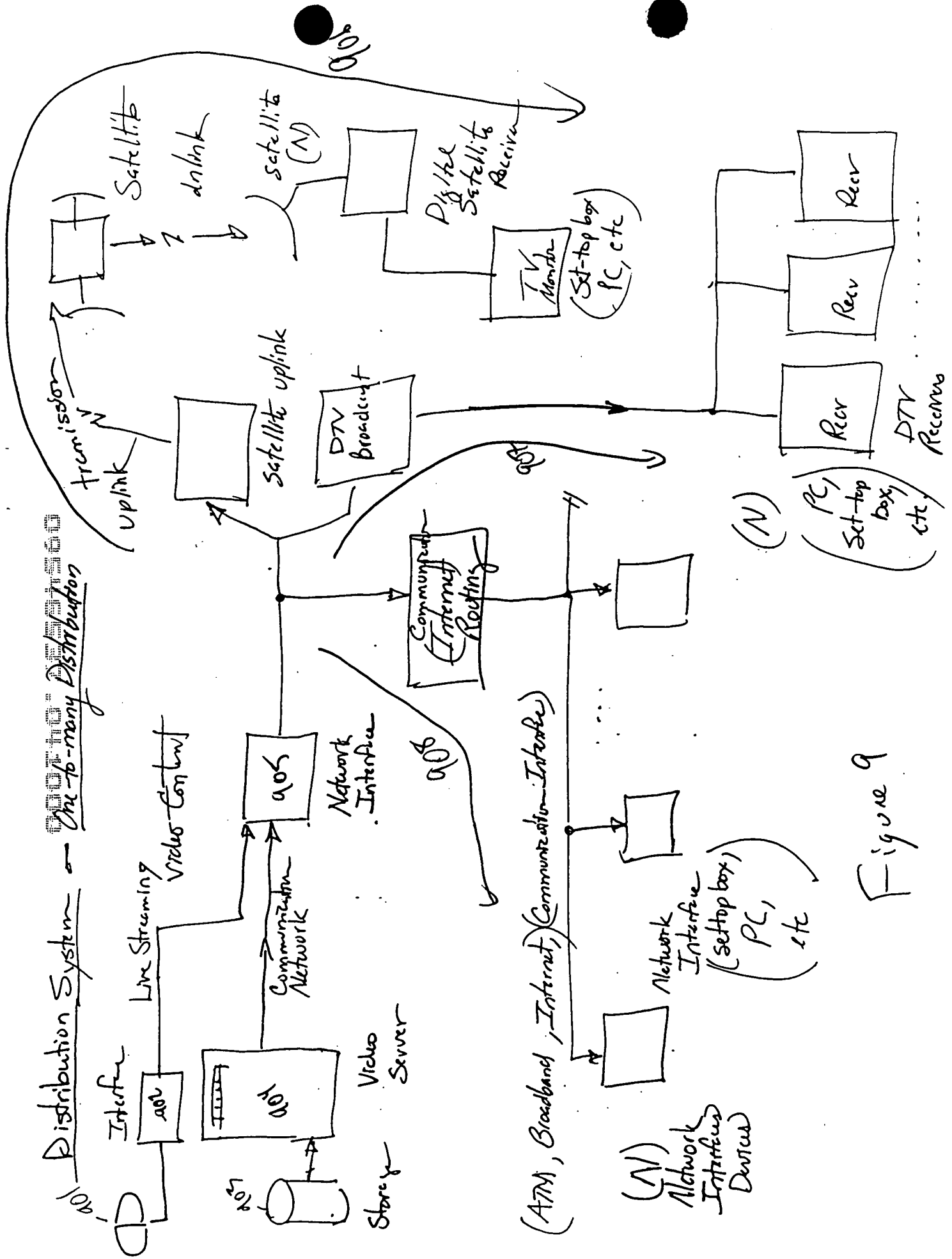
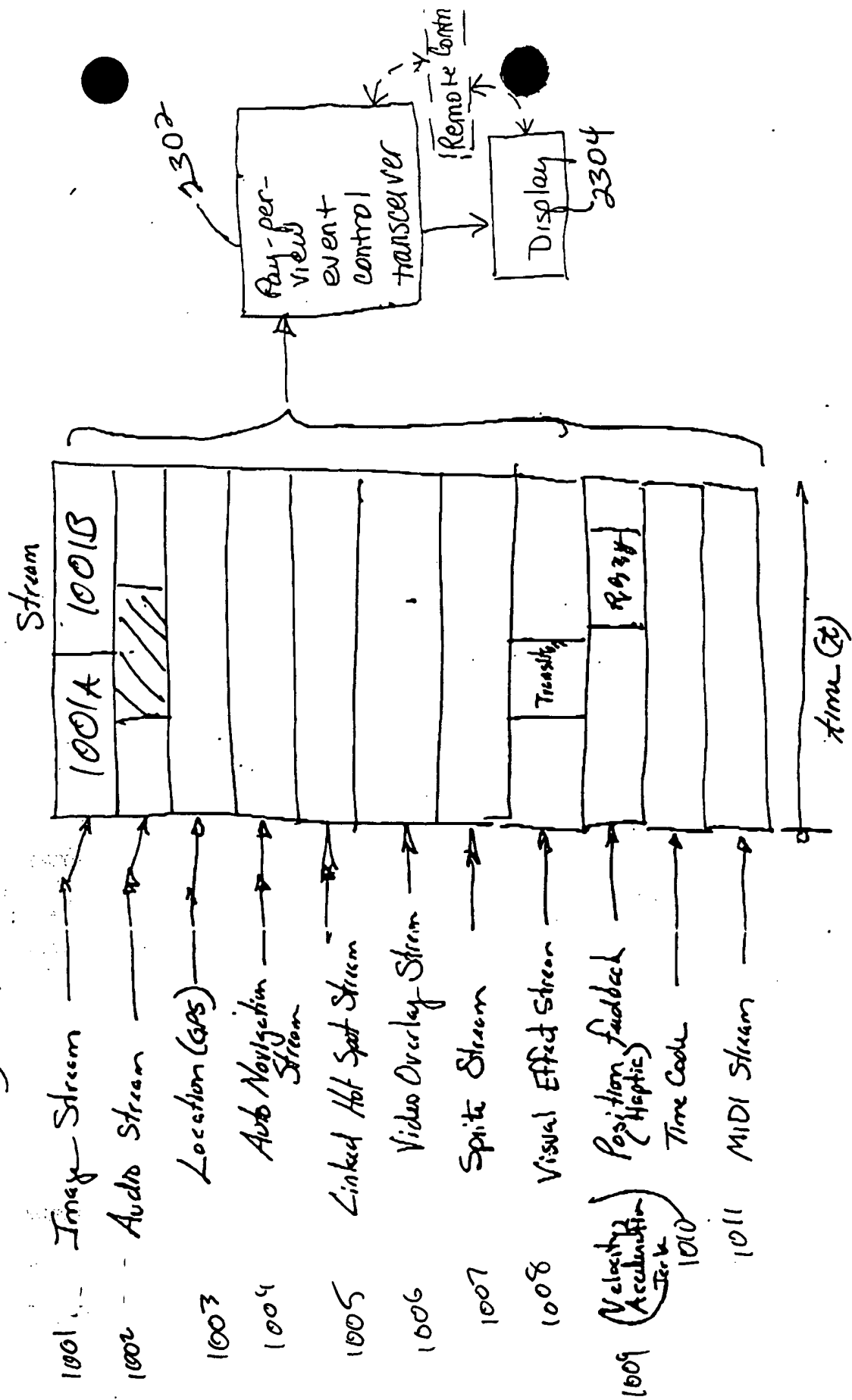


Figure 9

Figure 10





VIDEO WHEN ACCESS DIRECTLY

SOFTWARE, UNIFORM FOR  
GOOD FOR FORM

TIME 1, 10, 1

INPUT  
Image Formats

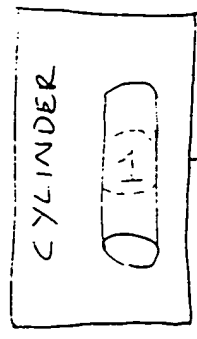
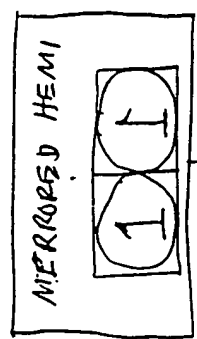
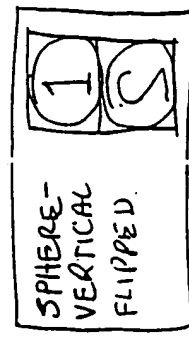
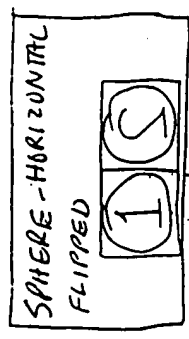
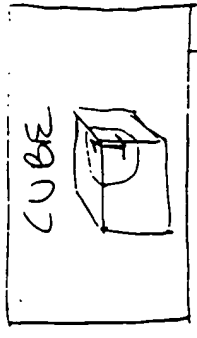
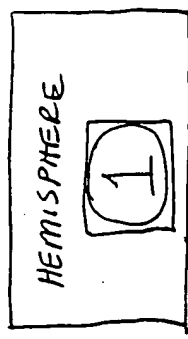
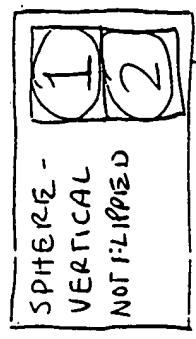
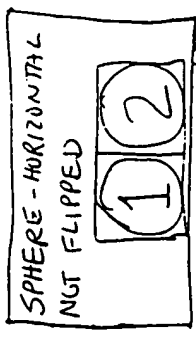
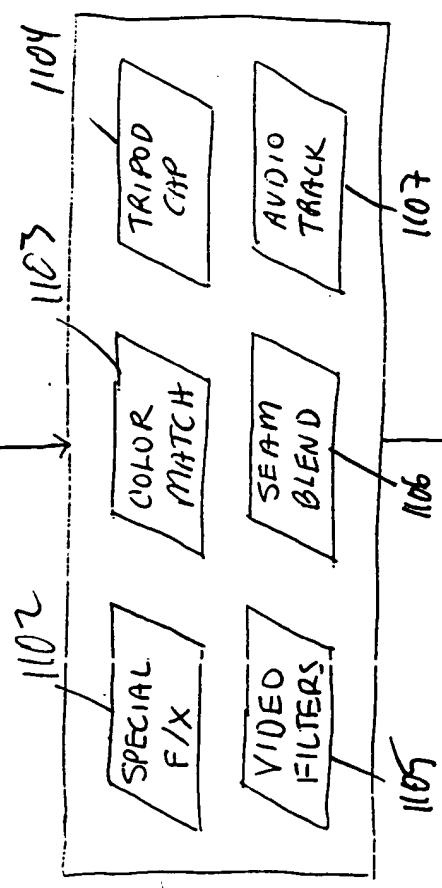


Image  
PROCESSING



OUTPUT  
File format



Video File Output  
Format

Figure 11

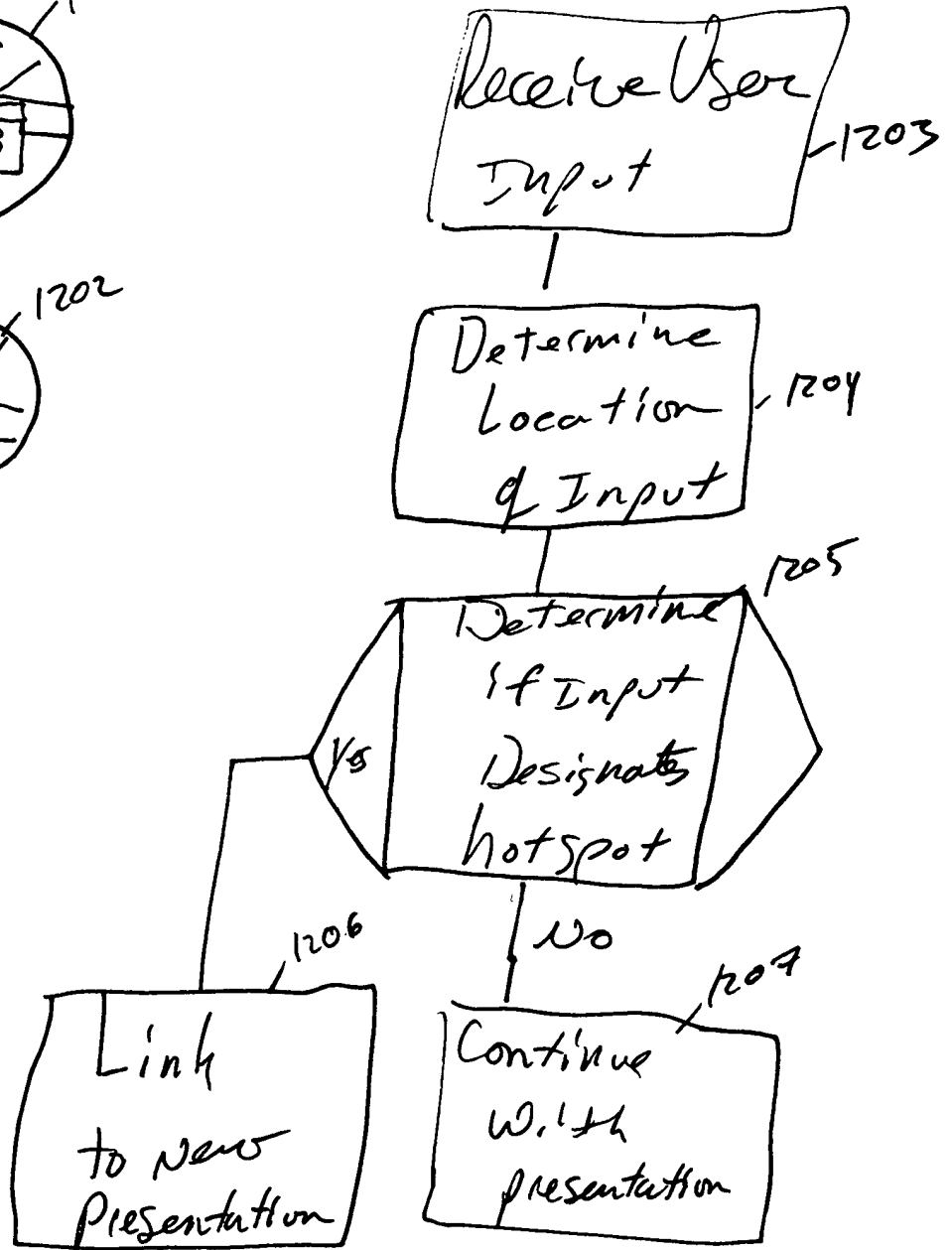
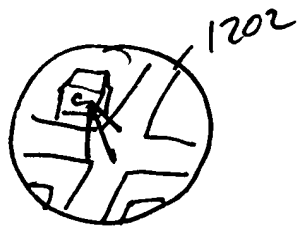


Figure 12

000710-1-5500

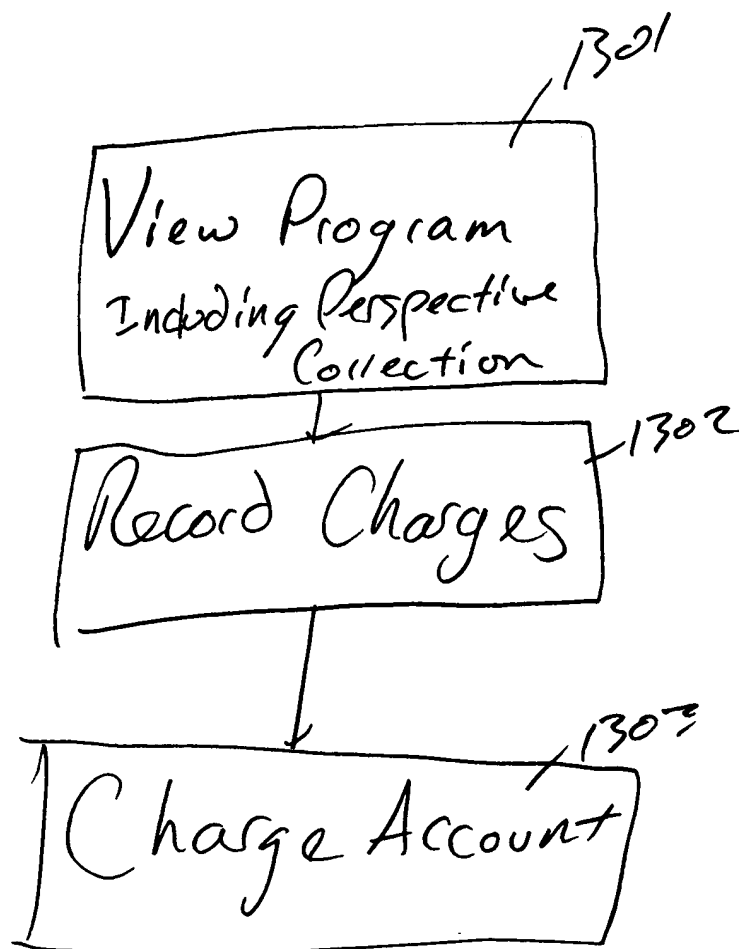
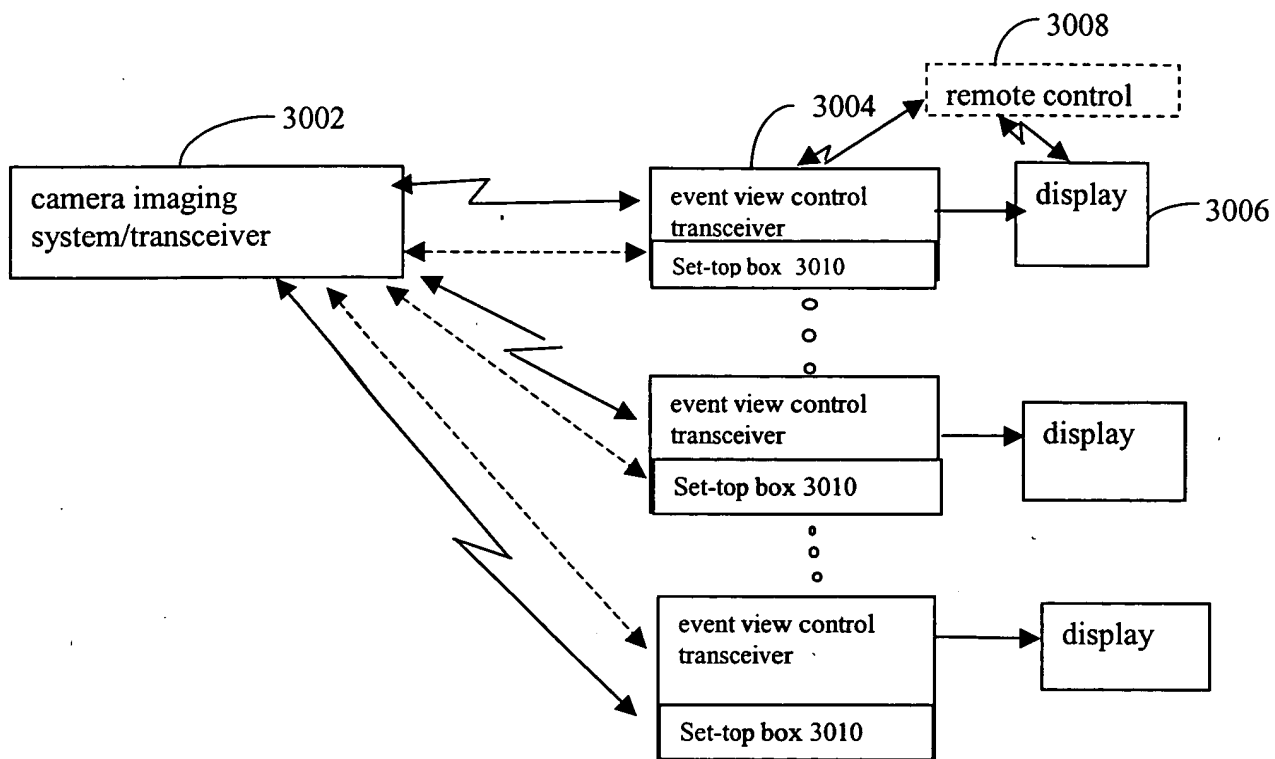
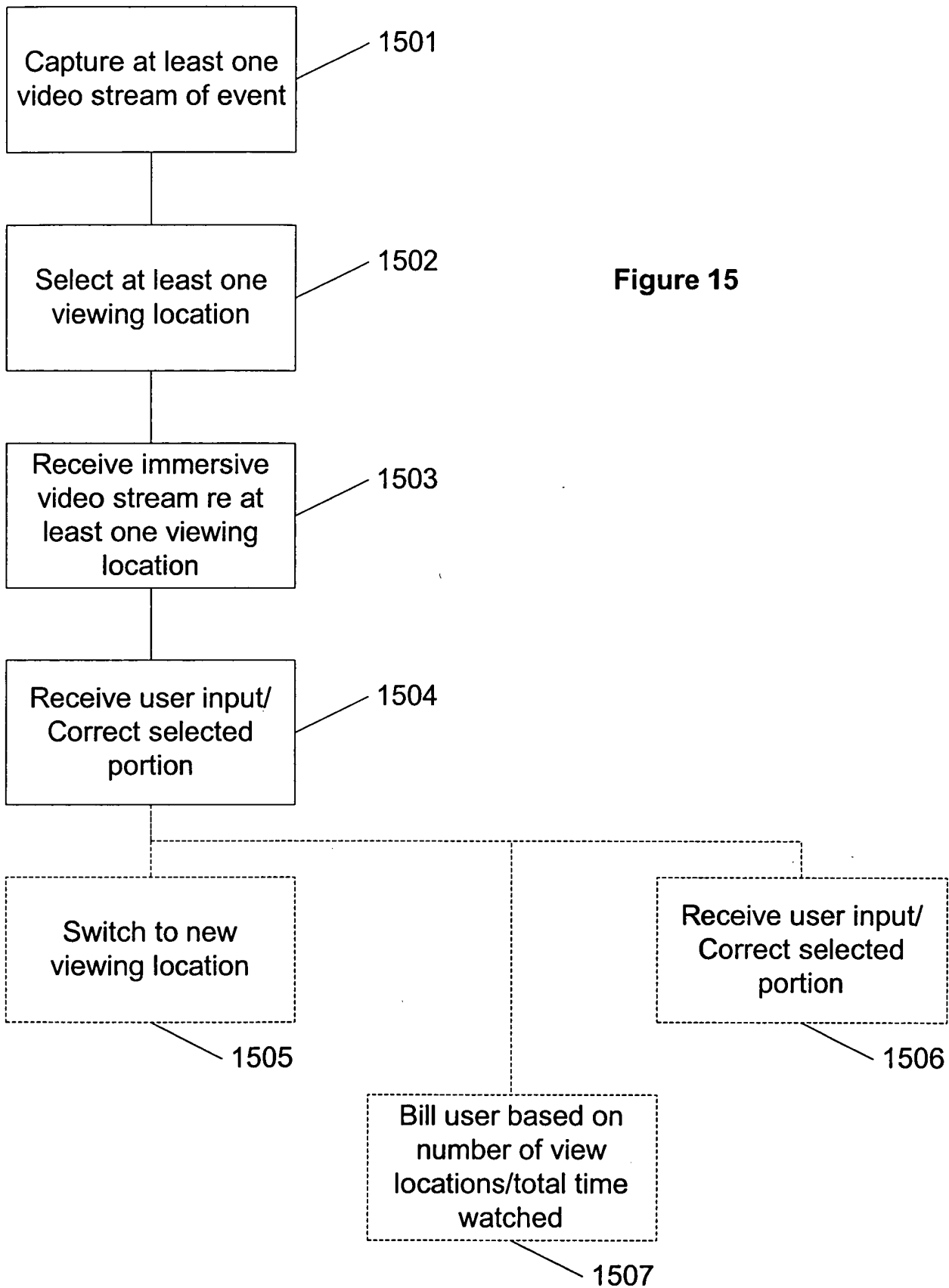


Figure 13

Figure 14





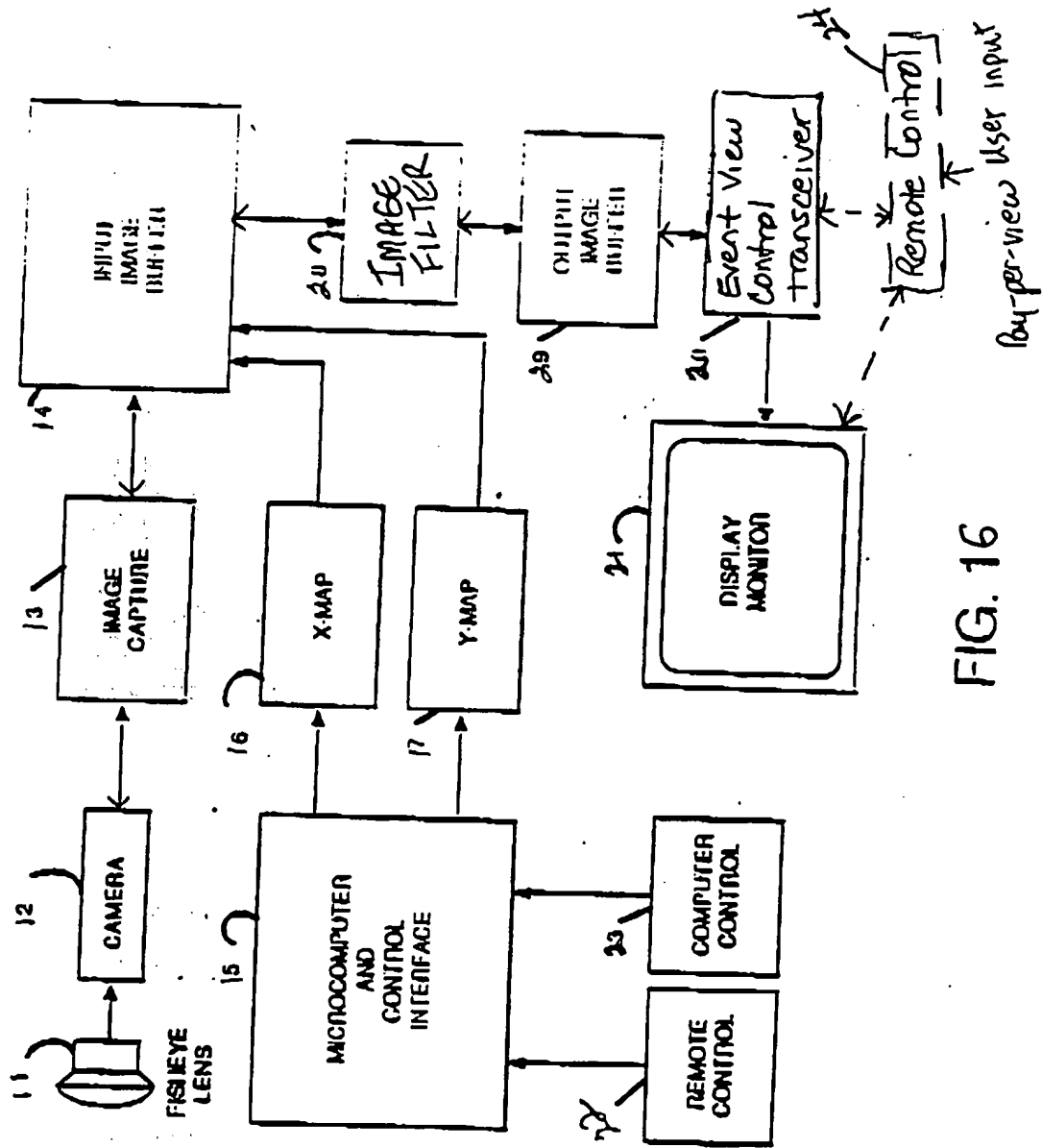


FIG. 16

000110-2-93-500

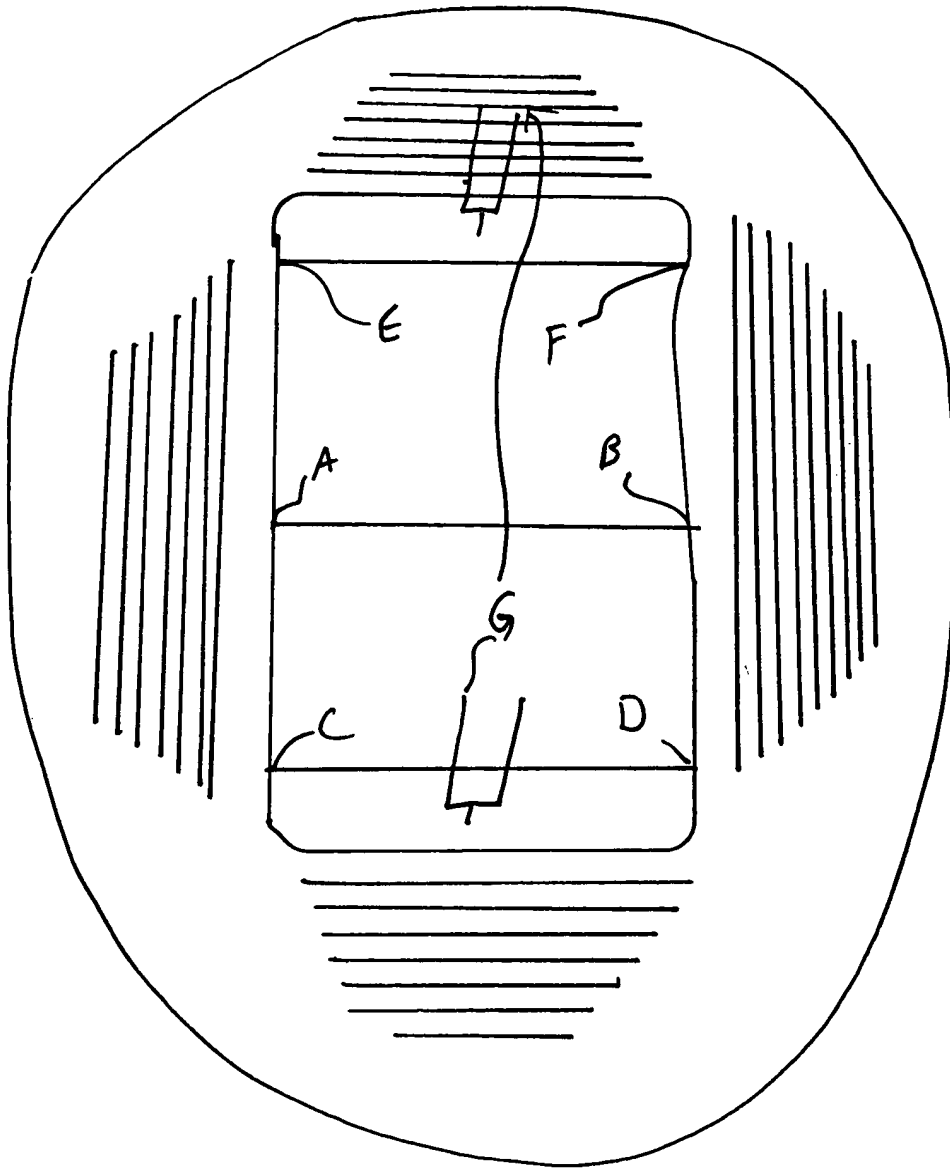


Figure 17

000740 2634360

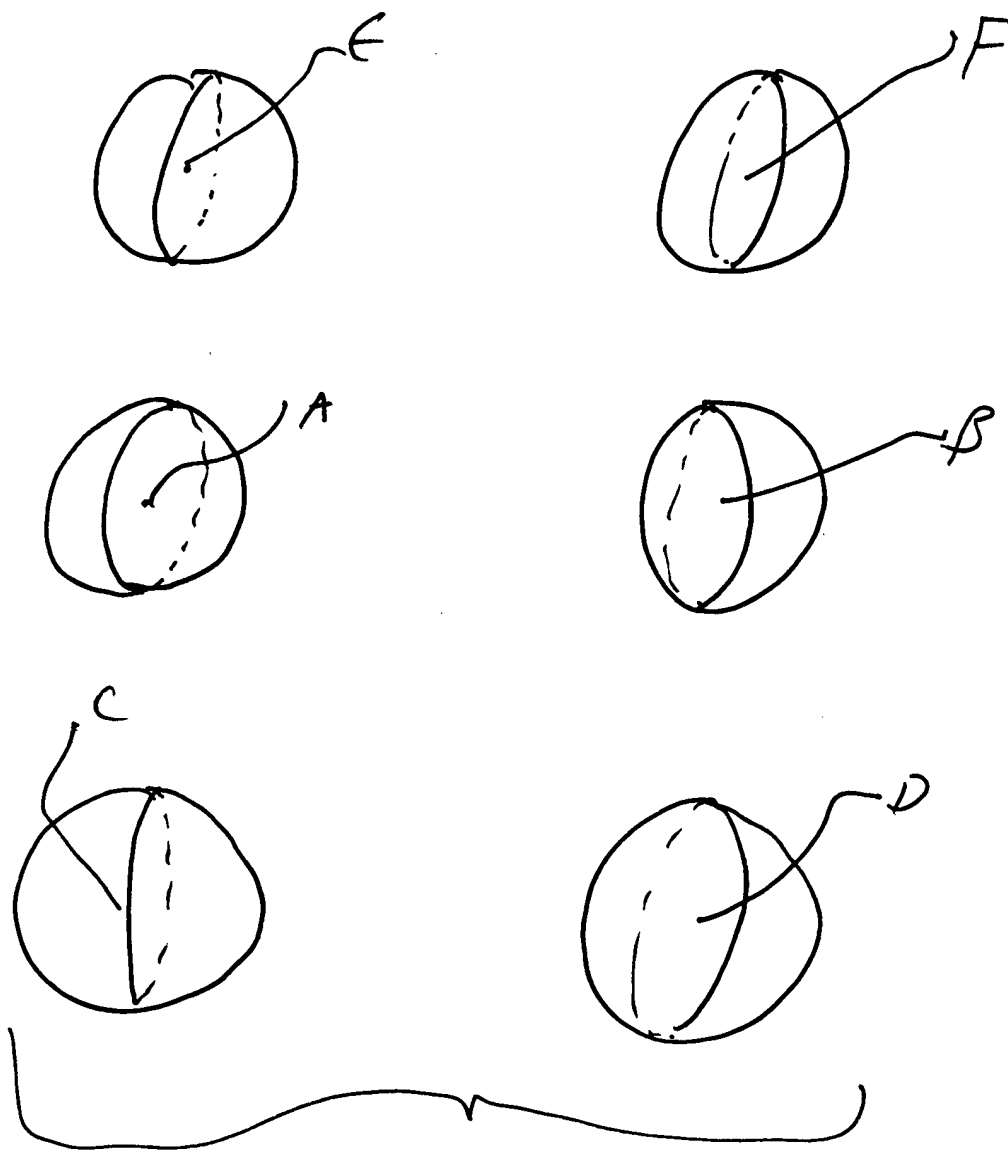


Figure 18



000710-255100

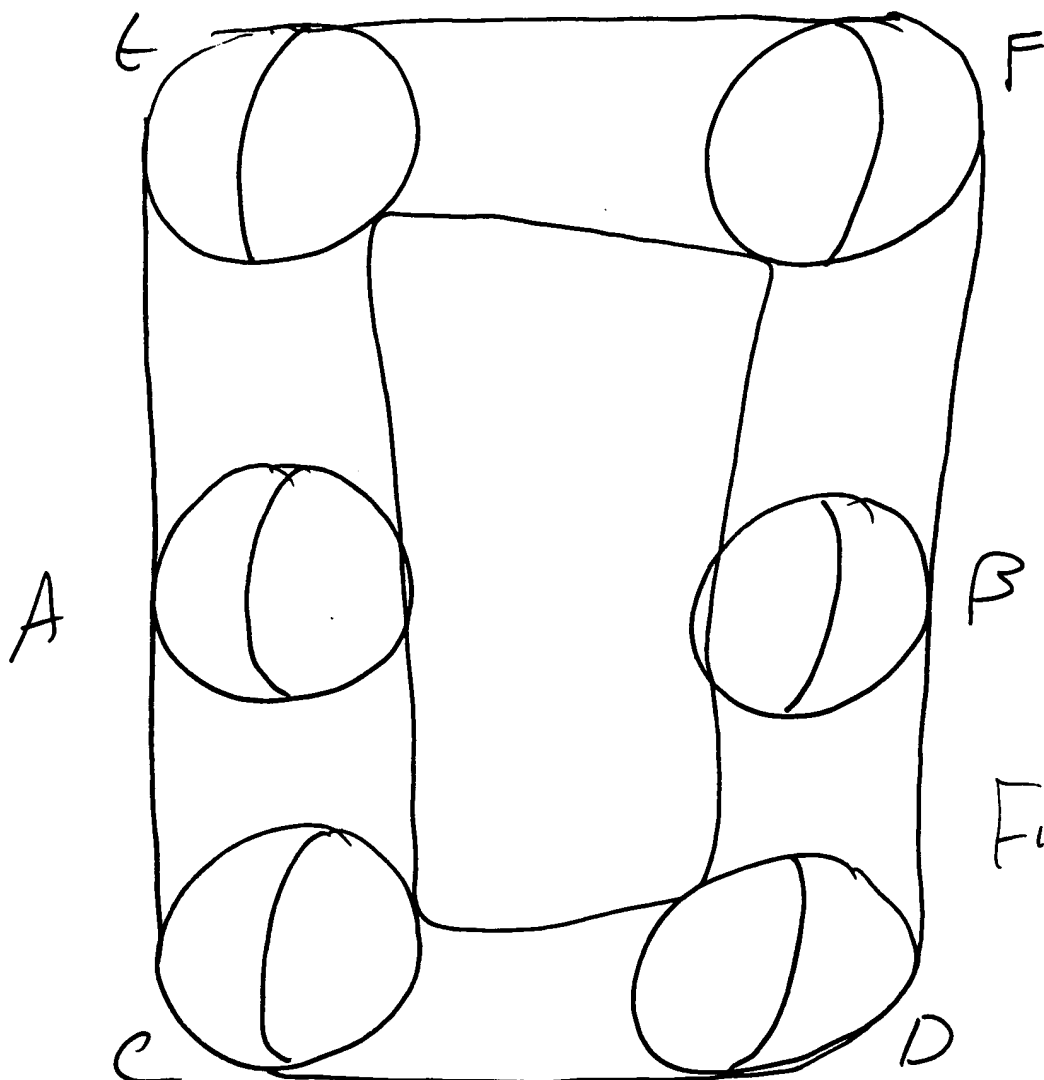


Figure  
19

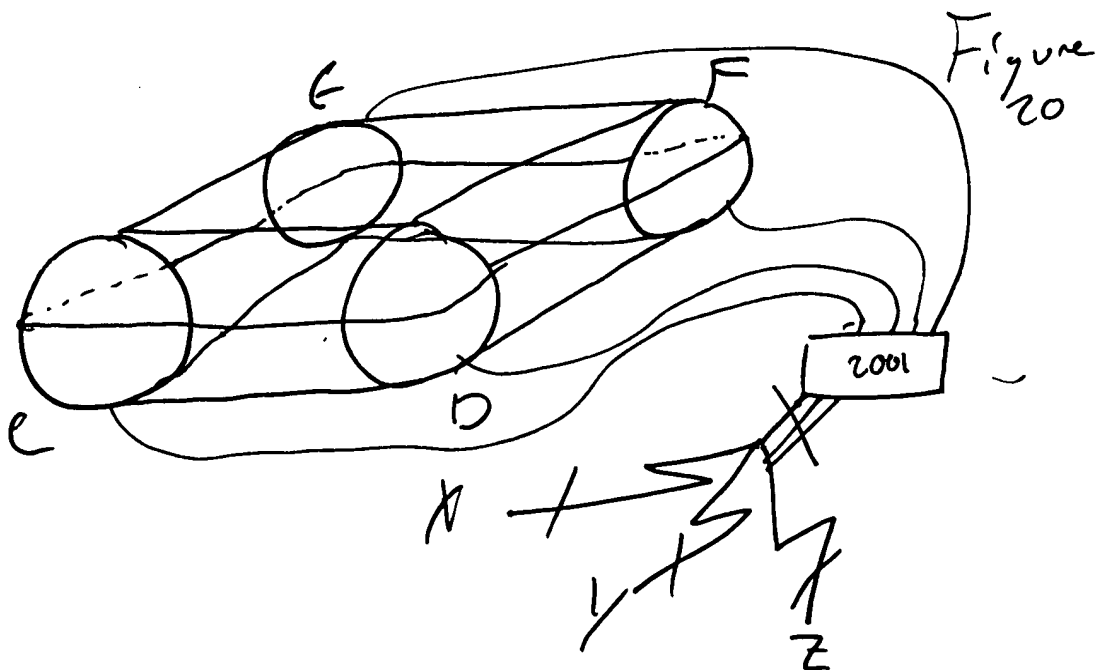


Figure  
20

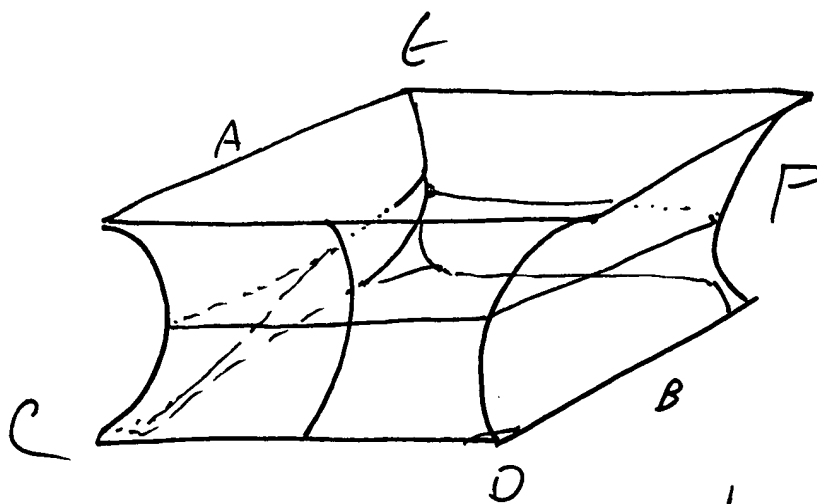
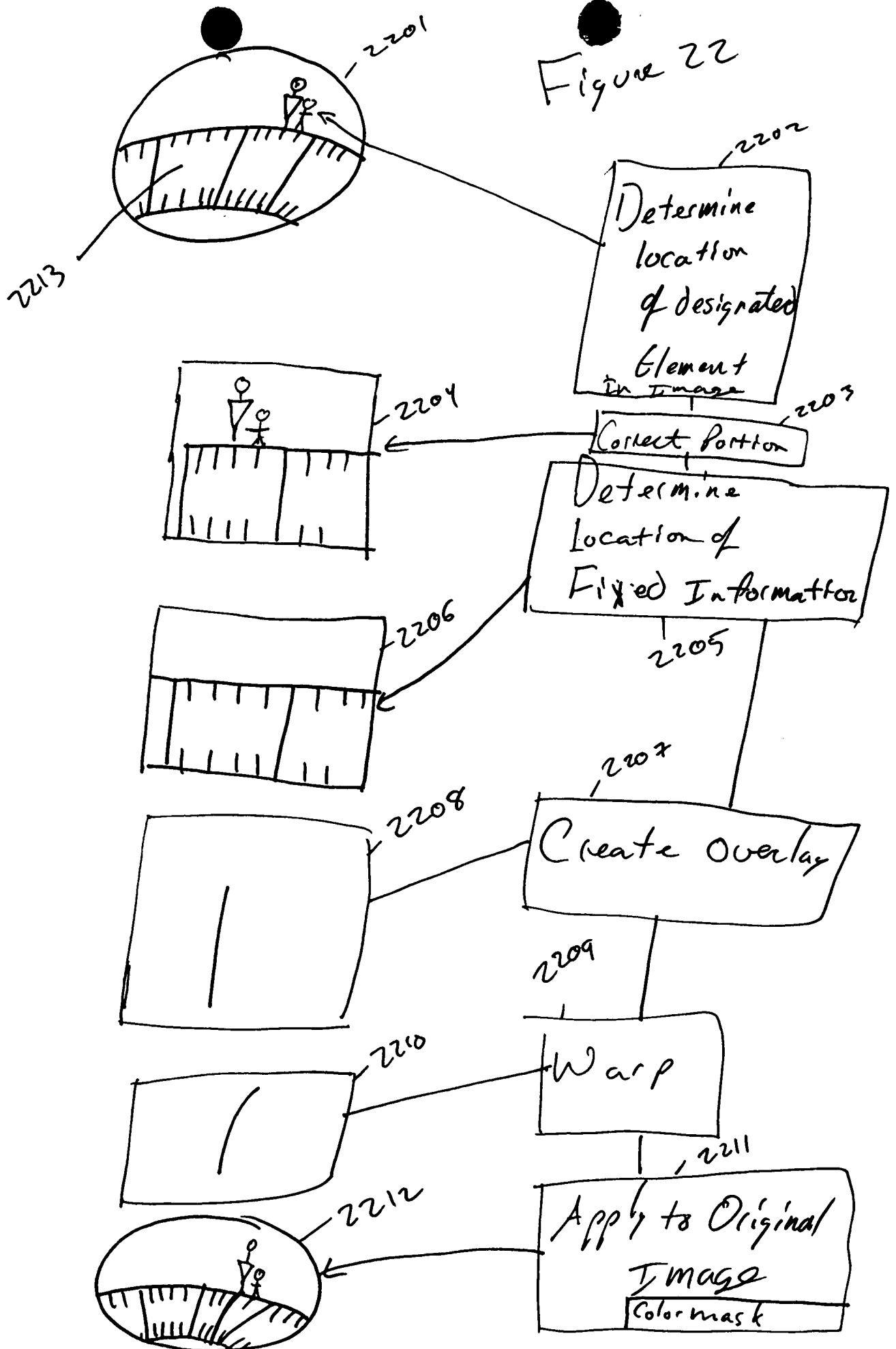


Figure 21

000710-26545500

Figure 22



000140 2254560

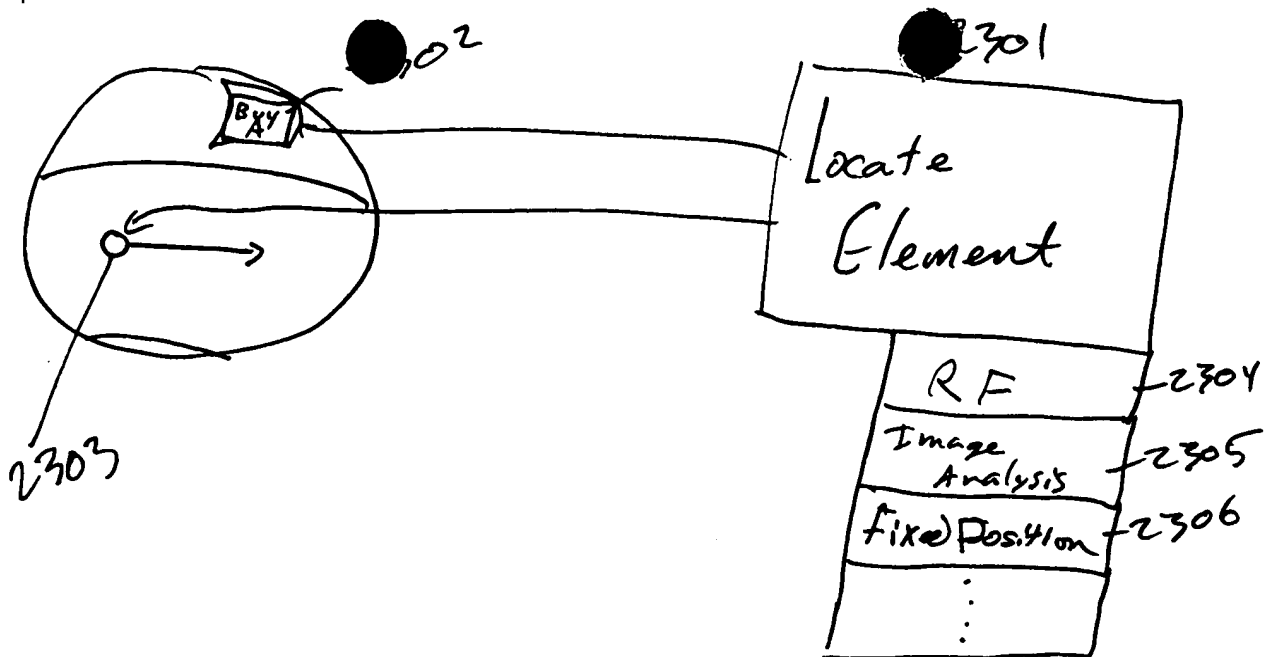
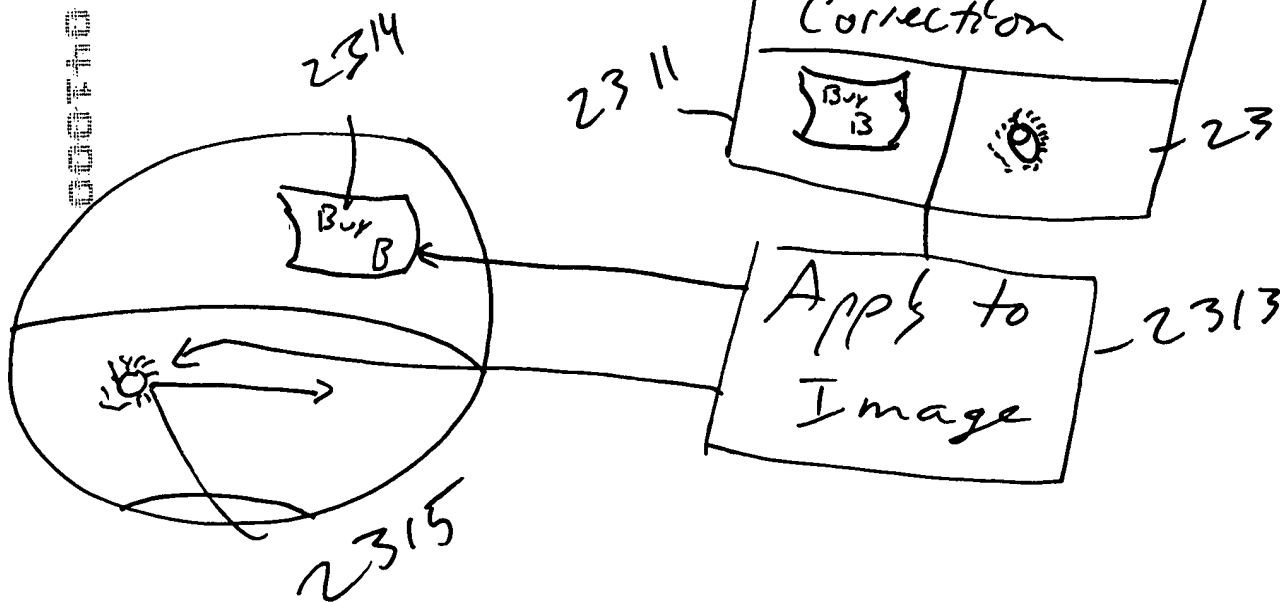
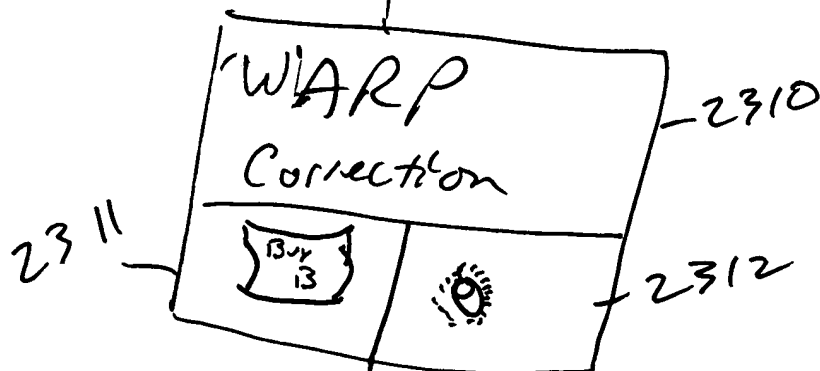


Figure 23



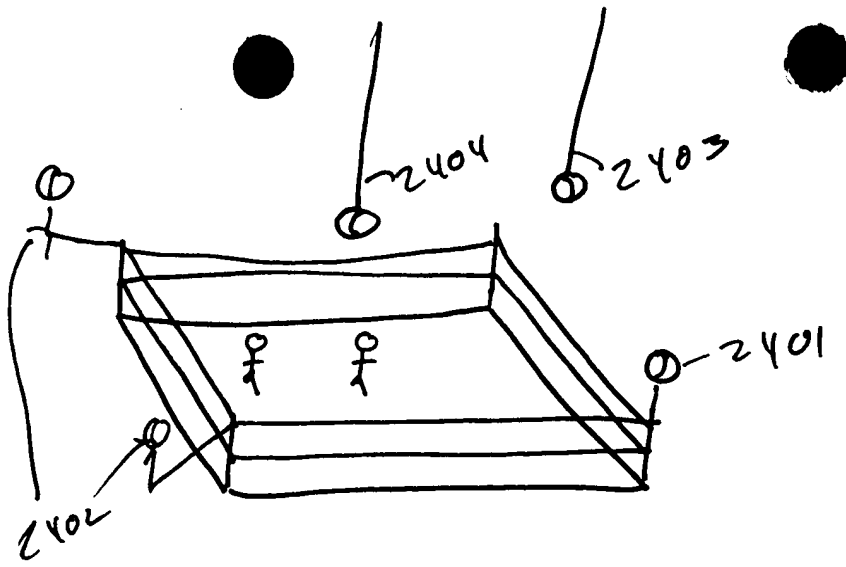


Figure 24

Figure  
25

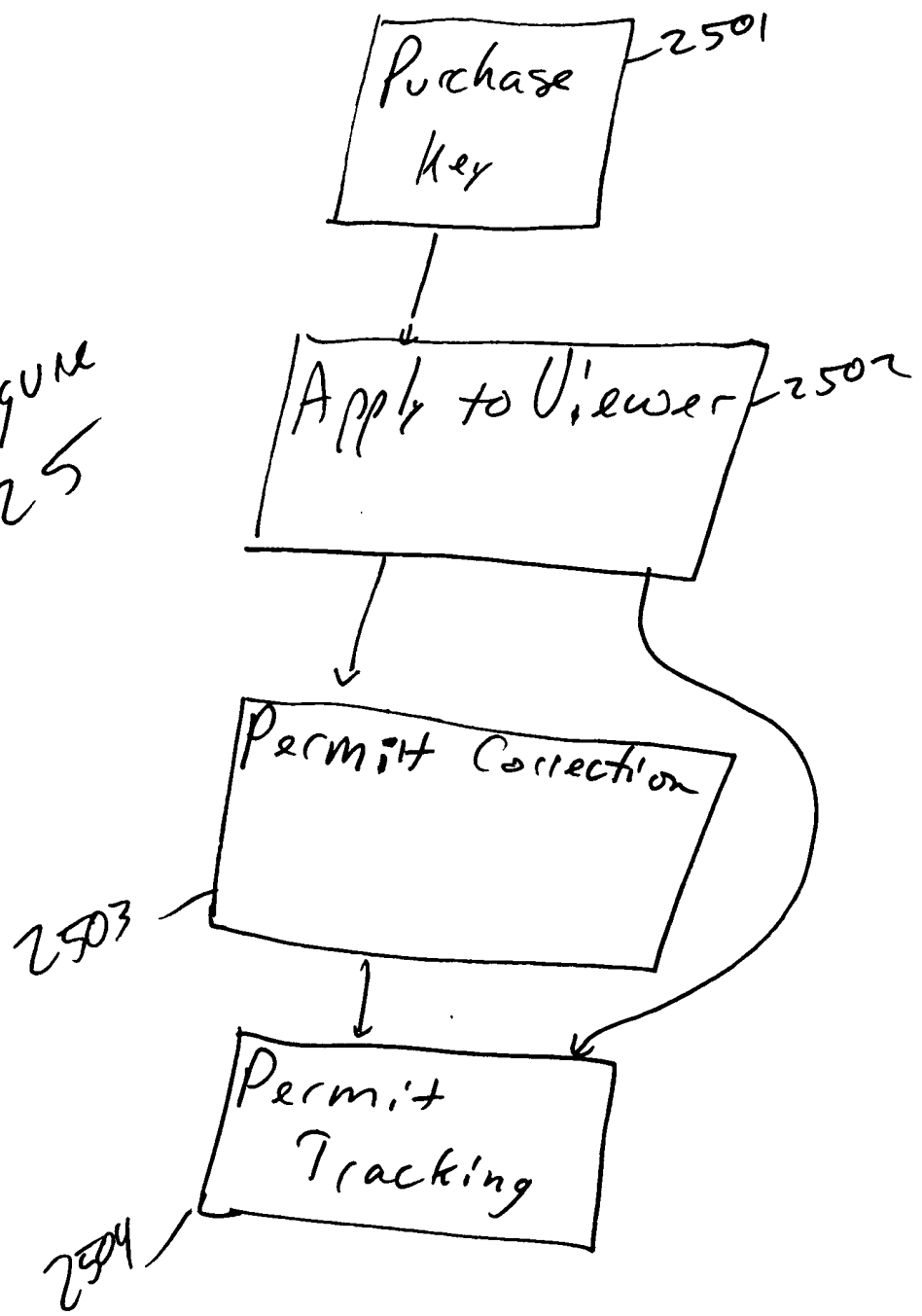


Figure 26

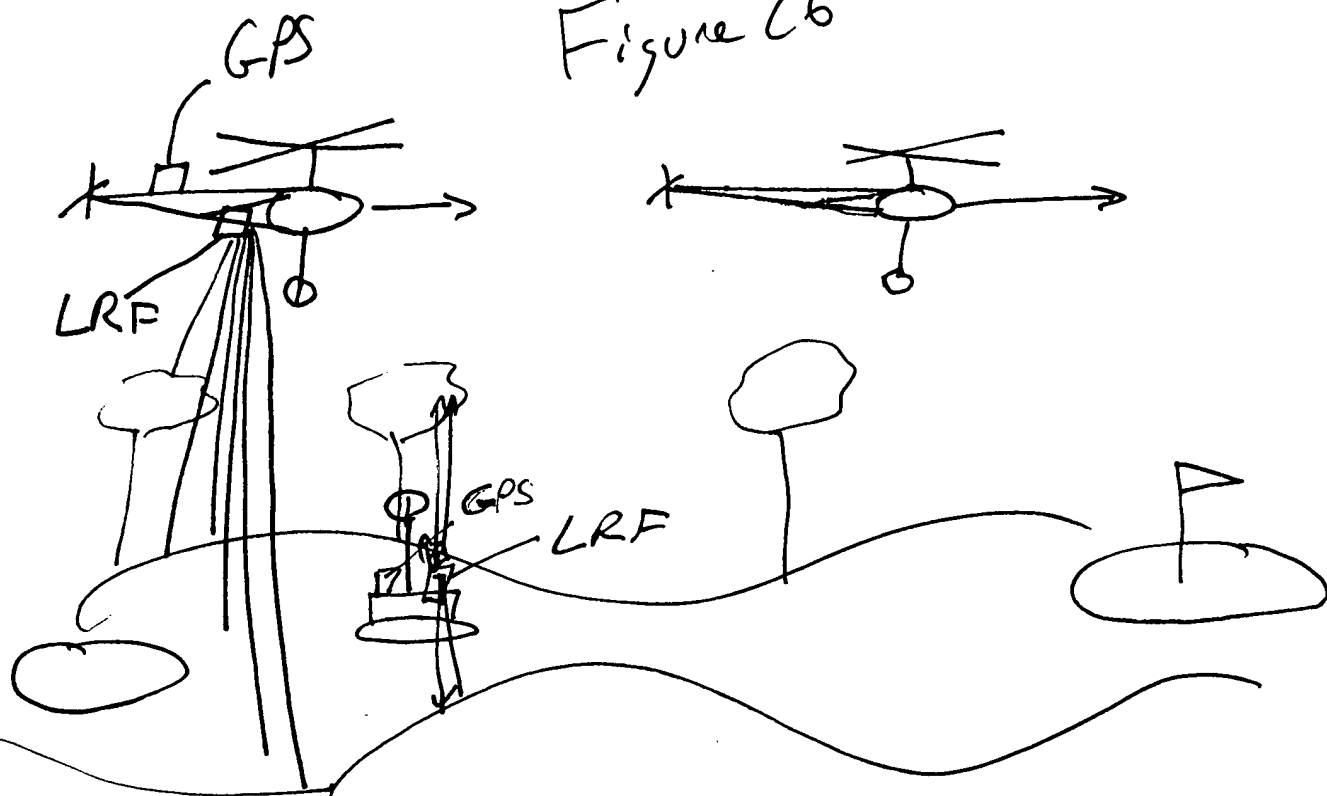
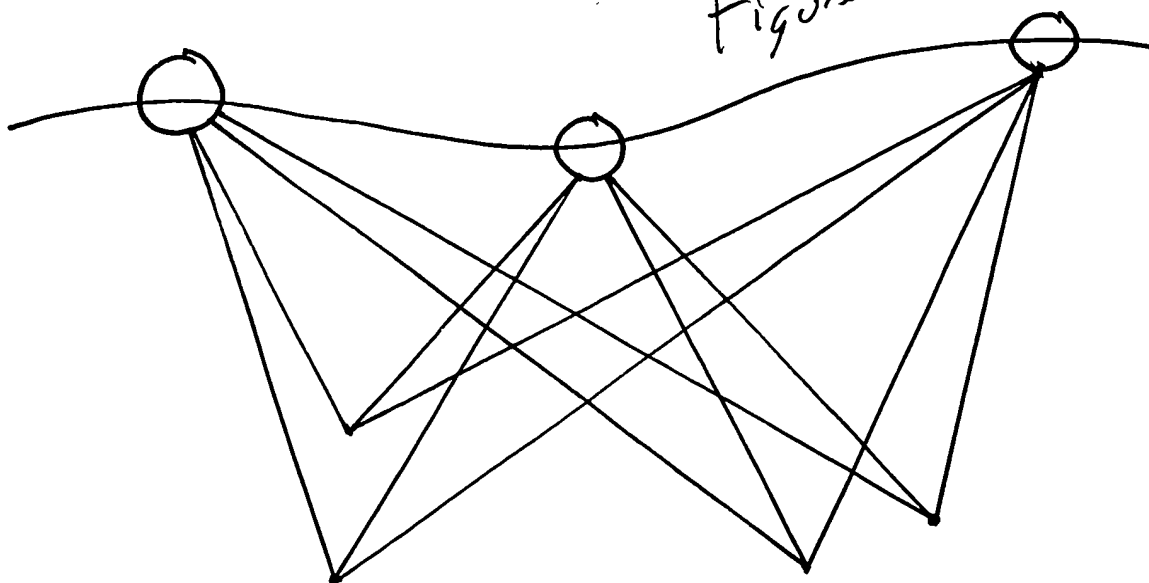


Figure 27



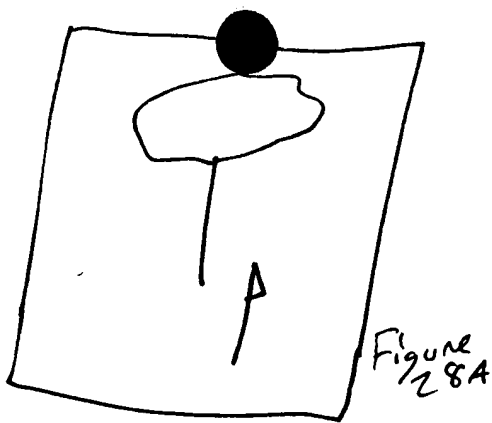


Figure 28A

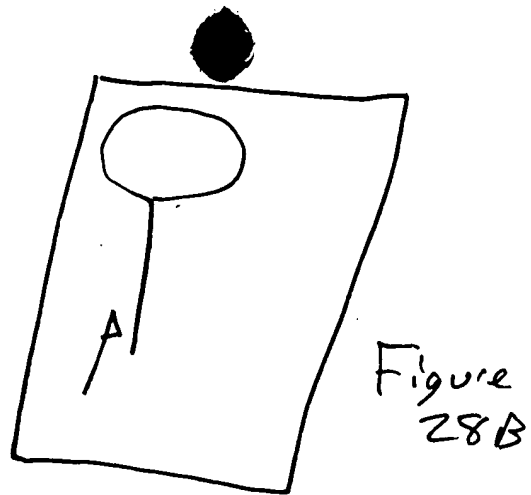


Figure 28B

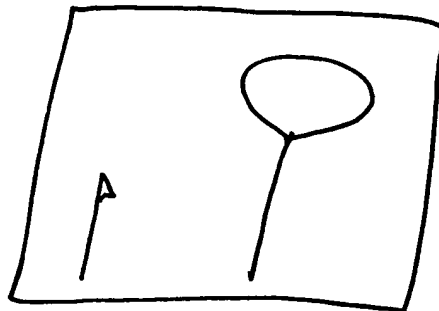


Figure 28C

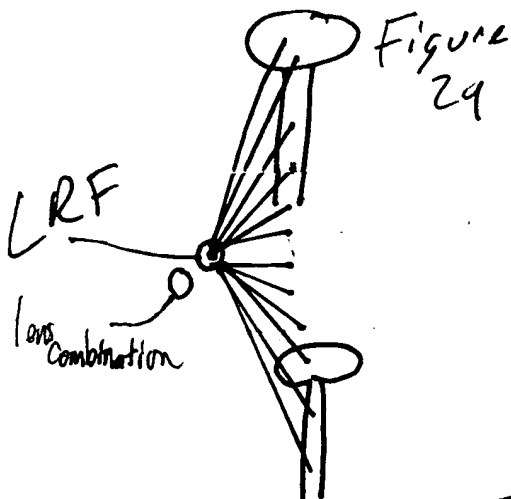


Figure 29

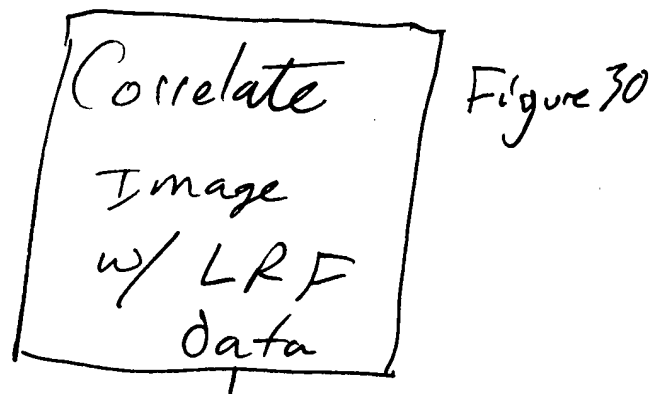


Figure 30

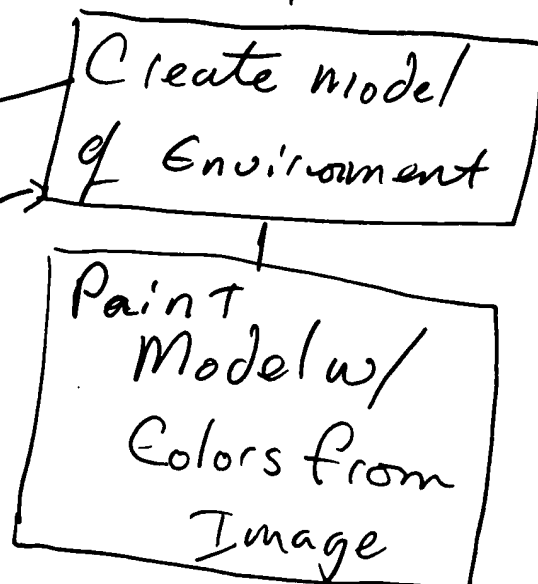
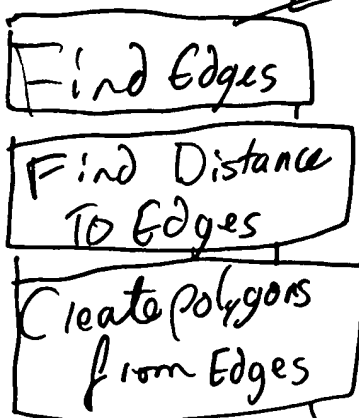




Figure 31A

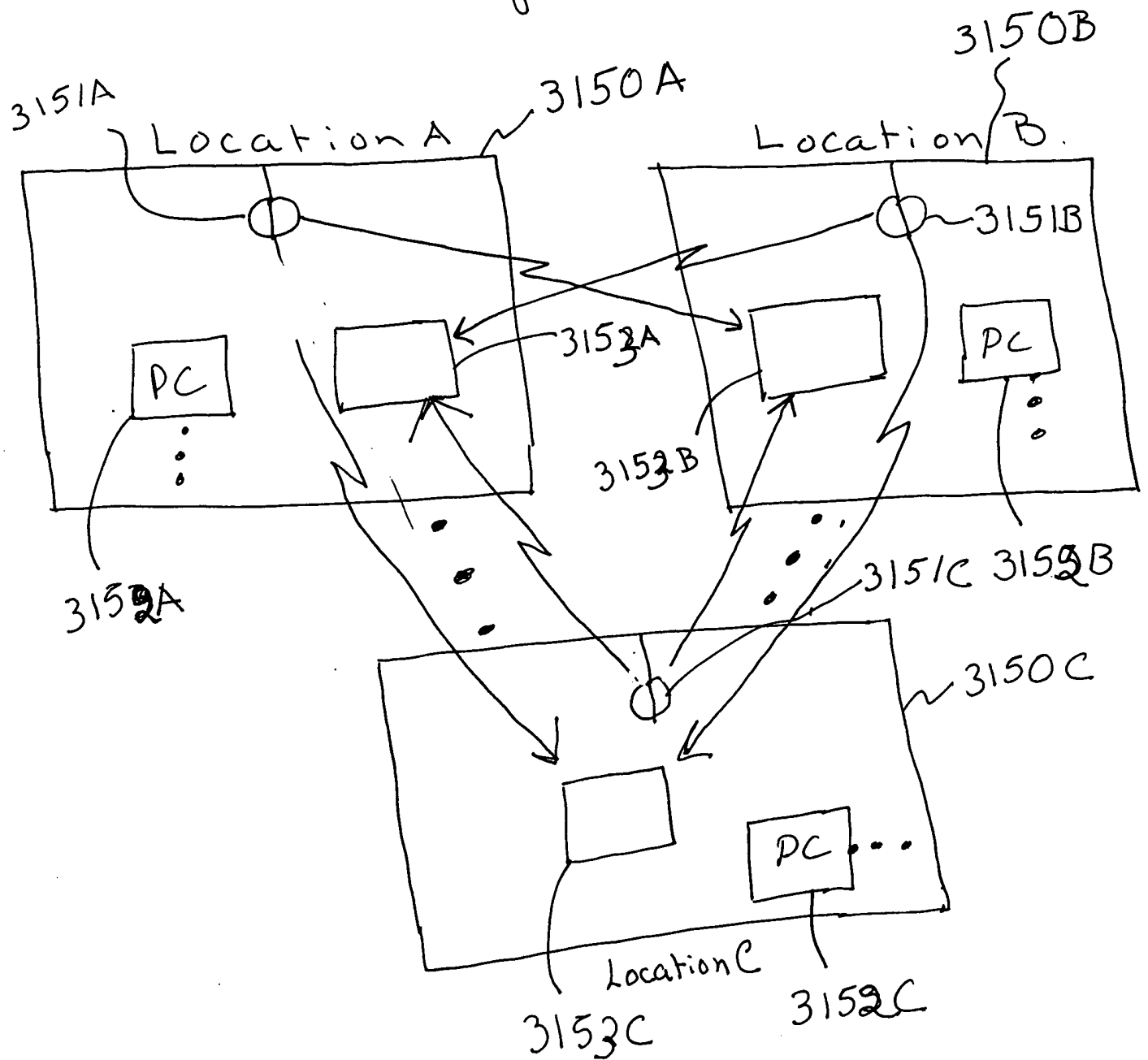


Figure 31 B.

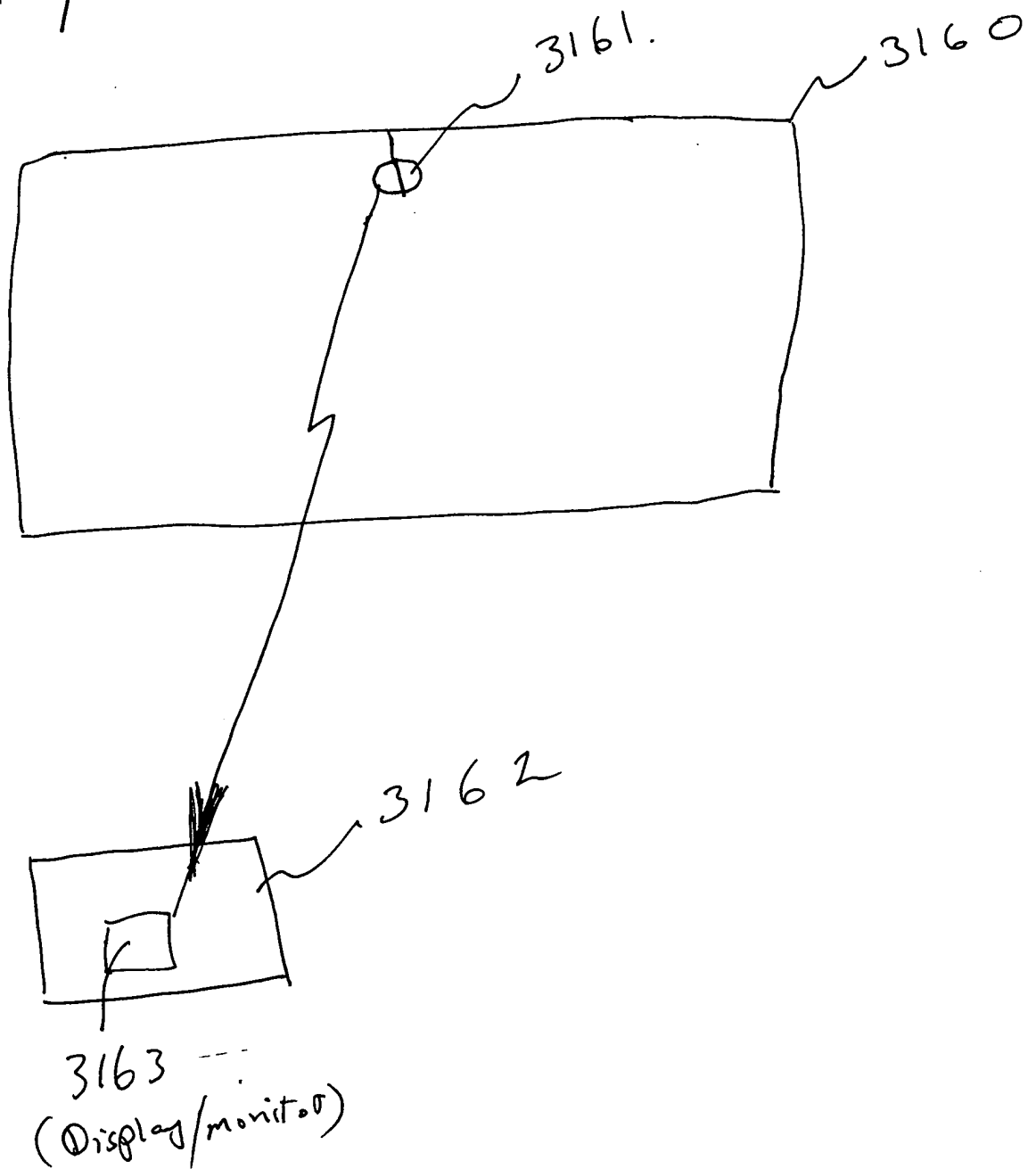
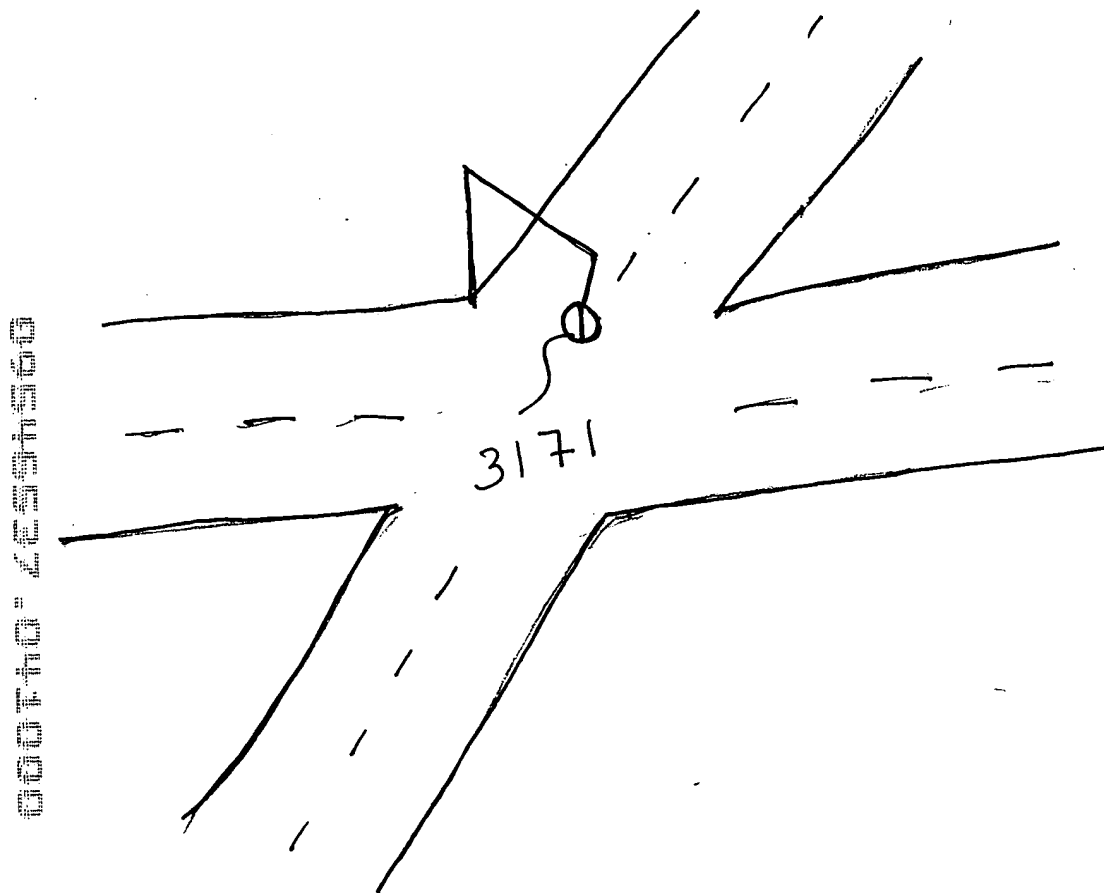


Figure 31C



000740-2294560